



E15 Retailer Facts

BUREAU OF WEIGHTS & MEASURES

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RESOURCES

More information on applicable Wisconsin laws can be found at these links:

http://docs.legis.wisconsin.gov/code/admin_code/atcp/090/93

https://docs.legis.wisconsin.gov/CODE/ADMIN_CODE/ATCP/090/94

For further information on EPA requirements, visit the EPA website for E15:

<http://www.epa.gov/otaq/regs/fuels/additive/e15/index.htm>

What is E15?

The EPA defines E15 as a blend of gasoline that contains greater than 10% ethanol, and up to 15% ethanol. Under current Wisconsin law, E15 must be sold as an alternative fuel, and cannot be labeled as gasoline.

What vehicles may use E15?

Model year 2001 and newer cars, light-duty trucks, and medium-duty passenger vehicles (SUVs); and flexible-fuel vehicles (FFVs) are allowed by the EPA to use E15.

What vehicles and engines may **NOT** use E15?

All motorcycles; all vehicles with heavy-duty engines, such as school buses, transit buses, and delivery trucks; all off-road vehicles, such as boats and snowmobiles; all engines in off-road equipment, such as lawn mowers and chain saws; all model year 2000 and older cars, light-duty trucks, and medium-duty passenger vehicles (SUVs) are prohibited from using E15 by federal law.

Is approval required to switch my current fuel dispensing system to sell E15?

Yes, storage tank plan approval is required. A DATCP certified installer or professional engineer must complete part I of the department's ERS-9 Alternative Fuel Installation/Conversion Application Form and submit it to the department as part of the plan review submittal.

A list of DATCP certified installers can be found here:

http://datcp.wi.gov/Consumer/Weights_and_Measures/Service_Company_Information/index.aspx

The ERS-9 Alternative Fuel Installation/Conversion Application Form can be found here:

<http://datcp.wi.gov/uploads/Consumer/pdf/9-Alternative%20Fuel.pdf>

Before commencing normal fueling operations using E15, the operator must notify the state inspector for their area to arrange for a pre-operational inspection. The operator must complete part II of the department's ERS-9 Alternative Fuel Installation/Conversion Application Form and provide the completed form to the state inspector performing the pre-operational inspection. The inspector for your area can be found here:

<http://datcp.wi.gov/uploads/Consumer/pdf/WMPetroleumSpecialistInspectionTerritoryMap.pdf>

What steps are required to switch my current fuel dispensing system to sell E15?

All of the following steps must be taken:

- Tanks previously containing another type of fuel must be cleaned in accordance with API 2015 before introducing the ethanol-blended fuel. All cleaning work must be performed by a DATCP certified tank cleaner unless specifically approved by the department based on an alternate cleaning method.

- A precision tightness test must be performed on the tank and piping before placing the tank system back into service.
- Equipment used for dispensing ethanol-blended motor fuel must be listed or must be recognized by the manufacturer as being compatible with ethanol-blended fuel, except where otherwise approved in writing by the department.

Equipment used to store or dispense fuel consisting of more than 10 percent ethanol by volume may not contain or consist of any of the following materials:

- (a) **Metals.** Zinc, lead, aluminum or alloys containing these metals, such as brass or terne.

Note: Terne-plated steel and lead-based solder are commonly used in equipment that handles gasoline. These materials will dissolve when in contact with high concentrations of ethanol.

- (b) **Natural materials** Cork, leather or natural rubber.

- (c) **Polymers.** Polyurethane, polyvinyl chloride, polyamides, or methyl-methacrylate plastics.

Note: Materials that have been shown to be generally compatible with high concentrations of ethanol include unplated steel, stainless steel, black iron, bronze, Neoprene rubber, Buna-N, polypropylene, nitrile, Viton, Teflon, thermoset reinforced fiberglass and thermoplastic piping material.

What do I need to know about dispensing E15?

The State of Wisconsin requires that fueling dispensers installed after February 1st, 2009 have a separate fueling nozzle and hose for dispensing any ethanol-blended motor fuels of more than 10 percent ethanol by volume.

Dispensers installed prior to February 1st, 2009 that do not have a separate nozzle and hose for dispensing E15 must bear a label clearly warning any purchaser that the first gallon may have more than 10 percent ethanol by volume. This label must be adjacent to the required E10 label, and must meet all labeling requirements specified in [ATCP 94.300\(1\)\(b\)](#).

What do I need to know about labeling E15 at the dispenser?

As with E10, there must be a label on the face of the dispenser next to the name and grade of the product indicating the maximum volume percent of ethanol.

The EPA requires a label containing the following information to be present on any dispensers selling E15:



What fuel quality specifications would E15 be subject to in Wisconsin?

ATCP § 94.200 requires that the ethanol used to make E15 must meet the specifications as outlined in ASTM D4806-09, and the gasoline used must meet ASTM 4814-04b standards.

Per the EPA, E15 may not exceed a maximum RVP of 9.0 psi during the summer volatility seasons (June 1 – September 15).

<http://www.epa.gov/otaq/regs/fuels/additive/e15/e15-faq.htm>